

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Ying Feria

Serial No. 09/661,967 Group Art Unit: 2617

Filed: 09/14/2000 Examiner: Ly, Nghi H.

For: STRATOSPHERIC-BASED COMMUNICATION SYSTEM HAVING
INTERFERENCE CANCELLATION

Mail Stop Petition
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

PETITION UNDER 37 C.F.R. §1.47(b)

Dear Sir:

The Office Action dated August 29, 2007, rejected claims 1, 8, 11, 13, 14, 18 and 20 in view of Sherman and Dalal, and claims 9, 10 and 12 in view of Sherman, Dalal and Official Notice. In response, the undersigned prepared a 37 C.F.R. §1.131 Affidavit to overcome the Dalal reference. The Dalal reference was provisionally filed on August 31, 2000, exactly two weeks before the present application filing date of September 14, 2000. A copy of the Amendment is submitted herewith.

On November 2, 2007, a letter instructing the inventors to sign and return the §1.131 Affidavit was sent to each of the inventors at their last known addresses by certified mail, return receipt requested, as each of the inventors is no longer employed by the Assignee. A copy of the November 2nd letter is attached hereto as Exhibit I. A copy of the Affidavit is attached hereto as Exhibit II. A copy of each of the envelopes is attached hereto as Exhibits III, IV, and V. The instruction letter asked for return of the signed §1.131 Affidavit by November 27, 2007 and included a return envelope with pre-paid postage.

The last known addresses of the inventors are:

Ying J. Feria
306 Anderson Street
Manhattan Beach, CA 90266

Ming U. Chang
28815 Indian Val Rd.
Rancho Palos Ver, CA 90275

Donald C. Chang
2350 Moberly Court
Thousand Oaks, CA 91360

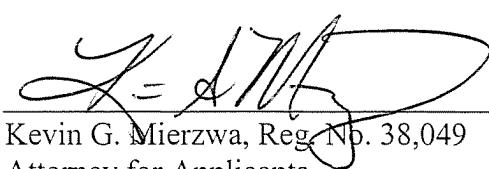
The envelope addressed to Ying Feria was returned unopened by the Post Office. A copy of the return envelope is attached as Exhibit VI. The envelopes addressed to Ming Chang and Donald Chang were accepted by them, as evidenced by the return receipt cards, copies of which are attached as Exhibits VII and VIII, respectively. However, the signed affidavits were never returned.

The present petition is necessary to overcome the Dalal reference and overcome the rejections set forth in the Office Action. Thus, this petition is necessary to preserve the rights of the Assignee and to prevent irreparable damage.

The Patent Office is authorized to charge the Petition fee of \$200 set forth in 37 C.F.R. §1.17(g) to Deposit Account No. 50-0383. If you have any questions regarding this matter, please contact the undersigned directly at 248-641-1212.

Respectfully submitted,

Dated: 11/29/07

By: 
Kevin G. Mierzwa, Reg. No. 38,049
Attorney for Applicants

The DIRECTV Group, Inc.
2230 East Imperial Highway
P.O. Box 956
El Segundo, CA 90245
Telephone: (310) 964-0735
Facsimile: (310) 964-0941



Kevin G. Mierzwa
Direct Dial: 248.641.1212
kmierzwa@hdp.com

November 2, 2007

EXHIBIT I

No. 7005 1160 0005 3430 7714

Ying J. Feria
306 Anderson Street
Manhattan Beach, CA 90266

No. 7005 1160 0005 3430 7721

Ming U. Chang
28815 Indian Val Rd.
Rancho Palos Ver, CA 90275

No. 7005 1160 0005 3430 7738

Donald C. Chang
2350 Moberly Court
Thousand Oaks, CA 91360

Re: U.S. Patent Application entitled:

Stratospheric-Based Communication System Having Interference Cancellation
DIRECTV Ref. PD-200108; HDP Docket No. 9093H-000003/US

Gentlemen:

Enclosed for your signature is an Affidavit Under 37 C.F.R. 1.131 that must be filed along with our response to an Office Action dated August 29, 2007.

Please sign the Affidavit on page 2 where indicated, have your signature notarized, and return the executed Affidavit to me in the enclosed envelope at your earliest convenience, but no later than November 27, 2007, so as to ensure a timely response to the USPTO for the pending Office Action.

Feel free to contact me directly should you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Kevin G. Mierzwa/HDP".

Kevin G. Mierzwa
Attorney of Record

KGMtp
Enc.: 1 (w/Exhibits)

EXHIBIT II

Patent
PD-200108

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Ying Feria

Serial No. 09/661,967 Group Art Unit: 2617

Filed: 09/14/2000 Examiner: Ly, Nghi H.

For: STRATOSPHERIC-BASED COMMUNICATION SYSTEM HAVING
INTERFERENCE CANCELLATION

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

AFFIDAVIT UNDER 37 C.F.R. 1.131

Dear Sir:

I, Ying Feria, Ming Chang, Donald Chang, being duly sworn, depose and say:

1. Prior to August 31, 2000, the inventors of the subject application, including myself, submitted an invention disclosure to the Hughes Electronics docketing department.
2. Prior to August 32, 2000, Michael W. Sales, Assistant General Patent Counsel Corporate Patents and Licensing of Hughes Electronics Corporation sent the attached Invention Disclosure to Kevin Mierzwa. This is attached hereto as Exhibit A.

3. The letter from Michael Sales enclosing the Invention Disclosure to outside counsel is submitted as Exhibit B.

4. Prior to August 31, 2000, John A. Artz acknowledged the receipt of the Invention Disclosure. This is attached hereto as Exhibit C.

5. On September 13, 2000, a final draft of the patent application was sent to Michael W. Sales of Hughes Electronics Corporation for filing. The letter to Michael W. Sales is included as Exhibit D. The draft of the patent application was prepared using the Invention Disclosure of Exhibit A which teaches a gateway station on page 4 of 7, a stratospheric platform

on page 5 of 7, and interference cancelling on pages 5-7 of 7. Subtracting blocks are illustrated in Figure 1 of page 7 of 7 of the Invention Disclosure.

6. Each of the dates deleted from Exhibits A through C are prior to August 31, 2000.

Respectfully submitted,

Dated: _____ By: _____
Ying Feria

SUBSCRIBED and SWORN to before me by _____ this ____ day of
_____, 2007, in the county of _____ in the State of California.

Notary Public _____

MY COMMISSION EXPIRES: _____

Respectfully submitted,

Dated: _____ By: _____
Ming Chang

SUBSCRIBED and SWORN to before me by _____ this ____ day of
_____, 2007, in the county of _____ in the State of California.

Notary Public _____

MY COMMISSION EXPIRES: _____

Respectfully submitted,

Dated: _____ By: _____
Donald Chang

SUBSCRIBED and SWORN to before me by _____ this ____ day of
_____, 2007, in the county of _____ in the State of California.

Notary Public _____

MY COMMISSION EXPIRES: _____

SEND COMPLETED DISCLOSURE DIRECTLY TO:
CORPORATE PATENTS AND LICENSING
Loc. ES, Bldg. 001, M/S A109

INVENTION DISCLOSURE
THIS INVENTION DISCLOSURE IS MADE
PURSUANT TO MY / OUR INVENTION
AGREEMENT WITH HUGHES ELECTRONICS
CORPORATION AND/OR ITS SUBSIDIARIES
("HUGHES").

HUGHES

3
SHEET 2 OF 7

1. TITLE OF INVENTION

Adaptive Interference Cancellation

2. INVENTOR(S)

NAME	PAYROLL NO.	SOURCE CODE	LOC	BLDG	MS	PHONE	MANAGER
Ying Feria	P5613	TV	66	0E	SC	S41	A392
Ming Chang	18450	TV	66	01	SC	S41	A392
Donald Chang	16435	08	10	30	ES	001	A170

3. PROOF ON CONCEPTION

A. BY WHOM WAS FIRST DESCRIPTION WRITTEN OR DRAWING MADE?	DATE	TIME SPENT	ACCT. CHARGED	LOCATION OF FIRST DESCRIPTION / DRAWING
Ying Feria				
B. TO WHOM WAS INVENTION FIRST DISCLOSED?	DATE			

4. REDUCTION TO PRACTICE

A. WAS A DEVICE EMBODYING THE INVENTION CONSTRUCTED AND TESTED OR THE PROCESS PRACTICED?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	BY WHOM	DATE STARTED	DATE COMPLETED	TIME SPENT
B. ACCOUNT CHARGED — TIME	ACCOUNT CHARGED — MATERIAL			PRESENT LOCATION OF DEVICE	
C. PRESENT LOCATION OF DOCUMENTS (DATE SIGNED AND WITNESSED), INCLUDING PHOTOS, DRAWINGS, AND DATA SHEETS SHOWING REDUCTION TO PRACTICE					

NOTE: ALL EVIDENCE OF CONCEPTION (FIRST DRAWING AND FIRST WRITTEN DESCRIPTION) AND EVIDENCE OF REDUCTION TO PRACTICE (DEVICE EMBODYING THE INVENTION AND TEST DATA) MUST BE RETAINED.

5. RELATION TO GOVERNMENT CONTRACT

A. DOES THIS INVENTION RELATE TO WORK PERFORMED UNDER A GOVERNMENT CONTRACT?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	CONTRACT NUMBER AND TITLE		
B. IS INVENTION BEING USED ON A GOVERNMENT CONTRACT?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	CONTRACT NUMBER AND TITLE		

6. RELATED DOCUMENTS AND DISCLOSURE (BY YOU OR BY ANOTHER). PLEASE ATTACH COPY.

A. IS THERE A PUBLICATION OR PUBLIC PRESENTATION RELATED TO THE INVENTION?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DATE	IDENTIFY
B. ARE THERE ANY RELATED INVENTION DISCLOSURES OR PATENT APPLICATIONS?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DATE	IDENTIFY PD NO. ETC.
C. ARE THERE ANY PROPOSALS OR REPORTS OR OTHER DOCUMENTS RELATING TO THIS INVENTION	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DATE	IDENTIFY
D. HAS THE INVENTION BEEN USED, DISCUSSED, DEMONSTRATED OR OTHERWISE DISCLOSED OUTSIDE THE COMPANY (SUCH AS TO A VENDOR OR CUSTOMER)?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DATE	TO / FOR WHOM (COMPANY / PERSON)

7. SALE

A. HAS PRODUCT EMBODYING INVENTION OR MADE BY INVENTION BEEN PROPOSED, SOLD, OR OFFERED FOR SALE?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ORDER NO.	ORDER DATE	DELIVERY DATE	DATE OFFERED OR PROPOSED
B. IS PRODUCT EMBODYING INVENTION OR MADE BY INVENTION IN A DELIVERABLE ITEM?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DELIVERY DATE			200103

HUGHES PROPRIETARY

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION, AND EXCEPT WITH WRITTEN PERMISSION OF HUGHES, SUCH INFORMATION SHALL NOT BE PUBLISHED, OR DISCLOSED TO OTHERS, OR USED FOR ANY PURPOSE, AND THE DOCUMENT SHALL NOT BE DUPLICATED IN WHOLE OR IN PART. THIS LEGEND SHALL BE APPLIED TO ALL DOCUMENTS CONTAINING THIS INFORMATION.

PATENT DOCKET NO.
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PATENTS & LICENSING
CORPORATE OFFICE

Ying Feria *Michelle Glaser*
SIGNATURE INVENTOR

SEND COMPLETED DISCLOSURE DIRECTLY
TO:
CORPORATE PATENTS AND LICENSING
Loc. ES, Bldg. 001, M/S A109

INVENTION DISCLOSURE
THIS INVENTION DISCLOSURE IS MADE
PURSUANT TO MY / OUR INVENTION
AGREEMENT WITH HUGHES.

HUGHES

8. SUMMARY OF THE INVENTION

4
SHEET 6 OF 7

A. GIVE A BRIEF DESCRIPTION OF YOUR INVENTION, PARTICULARLY POINTING OUT WHAT IS BELIEVED
TO BE NOVEL (THE "HEART" OF WHAT IS NEW).

For a system where all the user traffic is going to one point on the ground, namely, the gateway station, signal processing may be used for interference cancellation. Because all the information about where each and every one of the users on the system is handled at one point, the information on each user's location is known and available to a single controller. Also since the resources are assigned to each user by the gateway station, the information on which users might be interfering each other is also known. With the above information, the interference can be completely or partially cancelled. In the case of a mobile user system, this interference cancellation can be adaptive in time.

B. EXPLAIN THE PURPOSE AND ADVANTAGES OF YOUR INVENTION. (WHAT WILL THE INVENTION DO BETTER
THAN DONE PREVIOUSLY?)

In a multiple user communication system where resources are reused for a higher capacity, interference may be a serious problem. To reduce interference level, the easiest way is to reduce the number of simultaneous users using the same resource (frequency or CDMA code). Clearly, this way of reduce interference is not desirable since it reduces the system capacity. A better way is to perform signal processing to cancel interference signals. In a system where all signals come to one point, this kind of cancellation is achievable.

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Ring Logistic *Jeffrey C. Miller*

Donald J. T. *[REDACTED]*

SIGNATURE INVENTOR

READ AND UNDERSTOOD BY:

E. J. Tewesic
WITNESS NAME (TYPE)

Brian Thomas
WITNESS NAME (TYPE)

J. Deesche
SIGNATURE

DATE

DATE

DATE

PATENT DOCKET NO.
200103
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CORPORATE OFFICE**

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THIS INVENTION DISCLOSURE IS MADE
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AGREEMENT WITH HUGHES.

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5
SHEET 4 OF 7

8. SUMMARY OF THE INVENTION (Continued)

C. IDENTIFY THE COMPANY PROGRAM OR PRODUCT LINE TO WHICH THE INVENTION APPLIES, AND THE EXPECTED VALUE TO THE PROGRAM OR PRODUCT LINE. ALSO IDENTIFY POTENTIAL COMMERCIAL APPLICATION OF THIS INVENTION, INCLUDING AUTOMOTIVE APPLICATIONS, IF ANY.

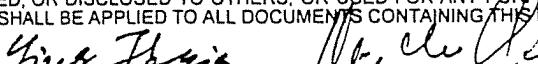
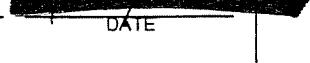
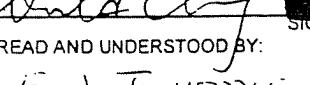
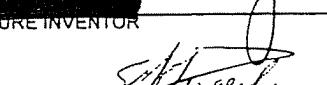
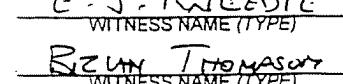
With this invention, programs such as Stratospheric Platform communication system will be enabled with a high capacity and low cost payload.

D. IDENTIFY THE PRIOR ART KNOWN TO YOU WHICH IS IMPROVED UPON OR DISPLACED BY YOUR INVENTION, AND STATE IN DETAIL, IF KNOWN, THE DISADVANTAGES OF THE CLOSEST PRIOR ART.

Interference cancellation has been used in some communications systems to cancel the cross polarization interference. This technique has been applied in systems where cross polarization interference is severe. The cancellation is achievable in such systems because both signals, co-polarization and cross polarization signals, are available at one point. Expanding the application of interference cancellation to include cancellation of interference from other users is what this invention is about.

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	SIGNATURE INVENTOR		DATE
	SIGNATURE INVENTOR		DATE
READ AND UNDERSTOOD BY:			
	WITNESS NAME (TYPE)		SIGNATURE
	WITNESS NAME (TYPE)		SIGNATURE

PATENT DOCKET NO.
201108
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PATENTS & LICENSING
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SEND COMPLETED DISCLOSURE DIRECTLY
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INVENTION DISCLOSURE
THIS INVENTION DISCLOSURE IS MADE
PURSUANT TO MY / OUR INVENTION
AGREEMENT WITH HUGHES.

HUGHES

6

SHEET 5 OF 7

9. DETAILED DESCRIPTION

DESCRIBE YOUR INVENTION IN DETAIL, USING NECESSARY ADDITIONAL SHEETS

- A. BE SURE THAT EACH SHEET IS DATED, AND SIGNED BY EACH INVENTOR AND TWO WITNESSES.
(SHEET 6 SHOULD BE USED, IF PRACTICAL).
- B. ATTACH COPIES OF DRAWINGS OR DETAILED REPORTS HELPFUL IN UNDERSTANDING HOW YOUR INVENTION WORKS
- C. IF YOUR INVENTION HAS BEEN TESTED, BRIEFLY SUMMARIZE THE TEST RESULTS WHICH CONFIRM THE FUNCTIONS AND ADVANTAGES LISTED IN 8 B ABOVE.

In a spectrum limited communication system, to increase the total system capacity, the spectrum is reused as many times as possible. For a satellite or stratospheric platform communication system, interference from users using the same resource is suppressed by antenna discrimination. Unfortunately, this discrimination may not be sufficient in some cases due to other constraints such as weight and size of the antennas. However, for a system where all the user traffic is going through a gateway station, the interference source and level is known; therefore, the interference could be cancelled by subtracting a weighted interfering signal (see Figure 1).

The basis for this scheme to work is that the system management has all the information regarding the interference. First, it knows exactly where the interference comes from since the system management is assigning resources to the users. Users with the same resources assigned to them will interfere with each other at certain levels. The interference levels depend on the antenna sidelobe levels at the interferer location. The sidelobe level is known to the system management as well since it is forming the beams.

HUGHES PROPRIETARY

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Bing Teng *Mike C*

John D *J*

SIGNATURE INVENTOR SIGNATURE INVENTOR

READ AND UNDERSTOOD BY

E. J. Tw *-7-21*

WITNESS NAME (TYPE)

BRIAN THOMPSON

WITNESS NAME (TYPE)

DATE

DATE

DATE

DATE

PATENT DOCKET NO.
200108

RECEIVED

**PATENTS & LICENSING
CORPORATE OFFICE**

Building 001 M/S A109
Telephone: (310) 662-9916
Telefax: (310) 416-1216

VIA FEDERAL EXPRESS

[REDACTED]

Kevin Mierzwa, Esq.
Artz & Atrz
28333 Telegraph Road
Suite 250
Southfield, MI 48034

Re: PD-200108 ADAPTIVE INTERFERENCE CANCELLATION
INVENTOR(S): Ying Feria (310) 662-7893
Ming Chang (310) 416-1920
Donald C. D. Chang (310) 662-9374

Dear Kevin:

Pursuant to your previous arrangements with our department, please proceed to prepare a patent application for the above disclosure at a cost not to exceed Fifty Five Hundred Dollars (\$5,500.00). This cost should include phone calls, messenger services and similar miscellaneous costs, as well as the cost of interviewing the inventors. Because the attached disclosure may be incomplete or additional embodiments may have been developed since its generation, at least one interview with the inventors may be required.

Please prepare two sets of claims for the application. One set of claims will be filed in the United States. The other set of claims will be filed in foreign countries and, therefore, should not use "means-plus-function" language, but should include reference numerals within parentheses and multiple dependencies where possible. Please try to limit the total number of claims in the second set to 10 or less.

PLEASE INCLUDE AN INDEPENDENT CLAIM DRAWN TO THE SYSTEM IN WHICH THE INVENTOR PROPOSES TO USE THE INVENTION. YOU MAY NEED TO OBTAIN A SYSTEM LEVEL BLOCK DIAGRAM FROM THE INVENTOR AS A SUPPORTING FIGURE.

To facilitate our filing of the U.S. patent application, your final draft of the application should be forwarded to me on numbered A4 paper. IN THE ABSTRACT PLEASE PROVIDE REFERENCE NUMERALS WITHIN PARENTHESES IN REFERENCE TO ONE FIGURE ONLY. The application should also be forwarded to me on a 3.5" diskette. On the diskette, please designate the word processing program used to generate the patent application.

Corporate Offices
200 N. Sepulveda Blvd.
P.O. Box 956
El Segundo, CA 90245-0956

Kevin Mierzwa

Page Two



The final draft of the application should include formal drawings (approved by the inventor) on Bristol boards. YOU ARE REQUESTED TO UTILIZE YOUR OWN DRAFTSMEN FOR PREPARATION OF THE FORMAL DRAWINGS. The formal drawings must be accompanied by a list identifying the name of the element and its callout number.

PLEASE HAVE A FINAL DRAFT READY FOR FILING NO LATER THAN JUNE 1, 2000 IN ORDER TO MEET OUR FILING DEADLINES.

Of course, the subject matter disclosed in the application should be treated as proprietary to Hughes.

Invoices are to be submitted upon completion of the application. No partial billings will be accepted. When forwarding any billing information to Hughes, send the original documents to the attention of:

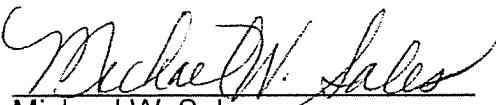
Ms. Kay Dunn
Hughes Electronics Corporation
200 N. Sepulveda Blvd.
ES 001/A110
P.O. Box 956
El Segundo, CA 90245-0956

Each inventor is being advised by this letter that you will be contacting him in the near future and that he should fully cooperate with you in writing this case.

If the foregoing terms are acceptable, please sign the attached copy of this letter in the space provided, then return to me as soon as possible.

If you have any questions, please call me at (310) 662-9916.

Very truly yours,
HUGHES ELECTRONICS CORPORATION


Michael W. Sales
Assistant General Patent Counsel
Corporate Patents and Licensing

ACCEPTED: _____

MWS:vcc

Enclosures: Invention Disclosure
Letter in duplicate

cc: (Inventors w/o atts.)

DATE: _____

Corporate Offices
200 N. Sepulveda Blvd.
P.O. Box 956
El Segundo, CA 90245-0956

ARTZ & ARTZ PC

Attorneys & Counselors
Intellectual Property & Technology
Related Causes

John A. Artz
John S. Artz
Robert P. Renke
Kevin G. Mierzwa
Angela M. Brunetti
Franklin A. MacKenzie
Thomas E. Donohue
Steven W. Hays

Suite 250
28333 Telegraph Road
Southfield, Michigan 48034
Phone: (248) 223-9500
Fax: (248) 223-9522

Michael W. Sales
Corporate Offices
Hughes Space & Communications Company
200 N. Supluveda Blvd.
Post Office Box 956
El Segundo, CA 90245-0956

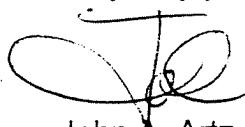
Re: U.S. Patent Application for:
"Adaptive Interference Cancalation"
Inventors: Harold Rosen
Ying Feria
P. Ramanujam
Your Reference: PD-200108
Our File No.: H 1216 PA

Dear Michael:

Thank you for your letter of [REDACTED] and the new patent disclosure. We have reviewed the invention disclosure and believe that we can prepare an application on this invention at a flat rate of \$5,000. Per your request, we will also prepare the formal drawings for \$150/sheet.

We will proceed to prepare a patent application on the new disclosure as soon as possible, noting from your letter that the final version is due by [REDACTED]

Very truly yours,



John A. Artz

JAA/mem

ARTZ & ARTZ PC

Attorneys & Counselors
Intellectual Property & Technology
Related Causes

John A. Artz
John S. Artz
Robert P. Renke
Kevin G. Mierzwa
Angela M. Brunetti
Franklin A. MacKenzie
Thomas E. Donohue
Steven W. Hays

Philip R. Warn
(Of Counsel)

Suite 250
28333 Telegraph Road
Southfield, Michigan 48034
Phone: (248) 223-9500
Fax: (248) 223-9522

September 13, 2000

Michael W. Sales, Esq.
Hughes Electronics Corporation
Building 001 M/S A109
200 N. Sepulveda Blvd.
El Segundo, CA 90245-0956

Via Federal Express

**Re: U.S. Patent Application for
"Stratospheric-Based Communication System For Mobile Users
Having Cross Canceling Interference Rejection"
Your Reference: PD-200108
Our File No.: H 1216 PA**

Dear Mike:

Enclosed please find the final draft of the above-identified patent application which incorporates comments from the inventors. As you requested, we have also enclosed:

Two sets of claims (one with reference numerals)

One copy of the Specification on A4 paper

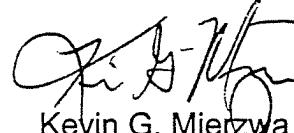
A 3.5" diskette containing the patent application and foreign claims (Word 97)

Formal drawings (4 copies)

A separate Abstract containing reference numerals

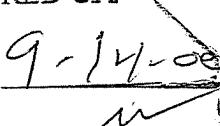
Should you have any additional changes, or any questions regarding this application, please do not hesitate to contact me directly.

Very truly yours,


Kevin G. Mierzwa

ENTERED CPI

Date: 9-14-00

By: 

FedEx, USA Airbill FedEx Tracking Number

Please print and press hard.
1/13/2000

Sender's FedEx Account Number

821872948147

2241-3511-4

Kevin G. Mierzwa

Phone (248) 223-9500

ARTZ & ARTZ

28333 TELEGRAPH RD STE 250

Dept/Floor/Suite/Room

YOUTHFIELD

State MI ZIP 48034

Internal Billing Reference H1213, H1215, H1216, H1217

Characters will appear on invoice.

Ent's Michael W. Sales

Phone ()

Any Hughes Electronics Corporation

200 N. Sepulveda Boulevard

We cannot deliver to P.O. boxes or P.O. ZIP codes.

D* at FedEx location, print FedEx address.

FEDEX BUILDING 001 M/S A109

Dept/Floor/Suite/Room

El Segundo

State CA ZIP 90245

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See back for application instructions.

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0215

Form
ID. No.

4a Express Package Service

FedEx Priority Overnight
Next business morning

FedEx Standard Overnight
Next business afternoon

Packages up to 150 lbs.
Delivery commitment may be later in some areas.

FedEx First Overnight
Earliest next business morning delivery to select locations

FedEx 2Day*
Second business day

FedEx Express Saver*
Third business day

* FedEx Envelope/Letter Rate not available.
Minimum charge: One-pound rate.

4b Express Freight Service

FedEx 1Day Freight*
Second business day

FedEx 2Day Freight
Second business day

Packages over 150 lbs.
Delivery commitment may be later in some areas.

FedEx 3Day Freight
Third business day

* Call for Confirmation

* Declared value limit \$500

5 Packaging

FedEx Envelope/Letter*

FedEx Pak*

Other Pkg.
Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

SATURDAY Delivery
Available for FedEx Priority Overnight and FedEx 2Day to select ZIP codes

SUNDAY Delivery
Available for FedEx Priority Overnight to select ZIP codes

Include FedEx address in Section 3.

HOLD Saturday
at FedEx Location
Not available with FedEx First Overnight

HOLD Saturday
at FedEx Location
Available for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?

One box must be checked.

No

Yes
As per attached
Shipper's Declaration

Yes
Shipper's Declaration
not required

Dry Ice
Dry Ica. 2, UN 1945
kg

Cargo Aircraft Only

Dangerous Goods cannot be shipped in FedEx packaging.

7 Payment Bill to:

Sender
Acc. No. in Section
1 will be used.

Recipient

Third Party

Credit Card

Cash/Check

FedEx Acct. No.
Credit Card No.

Total Packages Total Weight Total Declared Value

1 \$.00

FedEx Usa Only

* Our liability is limited to \$100 unless you declare a higher value. See back for details.

8 Release Signature Sign to authorize delivery without obtaining signature.

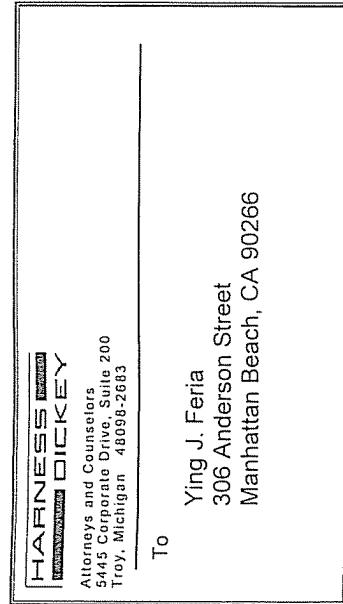
By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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Rev. Date 3/00 • Part #15512 • ©1994-2000 FedEx • PRINTED IN U.S.A. GBFE 500

EXHIBIT III

First Class Mail



U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT <small>(Domestic Mail Only; No Insurance Coverage Provided)</small>		PS Form 3811, December 1994 10295-97-5
<small>For delivery information visit our website at www.usps.com</small>		6. Signature: (Addressee or Agent)
CERTIFIED MAIL™		7. Date
Postage Certified Fee Return Receipt Fee (Endorsement Required)	8. Add 9. Add	8. Received By: Print Name
Restricted Delivery Fee (Endorsement Required)	10. Add	9. Article Addressed to: <i>YING J. FERIA</i>
Total Postage & Fees \$	11. Add	10. Add
3. Article Addressed to: <i>YING J. FERIA</i>		
4. Add 5. Add 6. Add 7. Add 8. Add 9. Add 10. Add		
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CERTIFIED MAIL



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EXHIBIT IV

First Class Mail

HARNESS DICKER
Attorneys and Counselors
5445 Corporate Drive, Suite 200
Troy, Michigan 48098-2683

To Ming U. Chang
28815 Indian Val Rd
Rancho Palos Ver, CA 90275

X		Domestic Return Receipt	
Form 3811, December 1994		10255-97-B-0179	
RECEIPT		Signature: (Address or Agency)	
Insurance Coverage Provided by: ur website at www.uspa.com		Received By: (Print Name)	
MAIL USE		Address to:	
Postmark Here		Date of Return	
NG INDIAN VAL RD.		Place Value, or or or	
VER, CA 90275		28815 INDIAN VAL RD.	
Article Addressed to: 14934-34/S		MING U. CHANG	
7005 1/		44. Seal	
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EXHIBIT V

First Class Mail

HARNESS DICKERSON
ATTORNEYS AT LAW
5445 Corporate Boulevard, Suite 200
Troy, Michigan 48088-2683

To: Donald C. Chang
2350 Moberly Court
Thousand Oaks, CA 91360

U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT <i>(Domestic Mail Only; No Insurance/Coverage Provided)</i>	
For delivery information visit our website at www.usps.com	
	
Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	
\$	
Postmark - Hera	
Sent To DONALD C CHANG <i>Street, Apt. No., or PO Box No.</i> 2350 MAYERLY CT. <i>City, State ZIP+4</i> THOUSAND OAKS, CA 91360	
<small>PS Form 3800, June 2002 See reverse for instructions U.S. POSTAL SERVICE LOGO</small>	

CERTIFIED MAIL

EXHIBIT VI

First Class Mail

RETURN RECEIPT REQUESTED

7774 04005 0977 50085 70085



Thank you for using our
Employee Service.

1. Also wish to receive the following services (for an extra fee):		2. Complete items 3, 4a, and 4b. Complete items 1 and/or 2 for additional services.	
Card to you following services (for an extra fee):		3. Article addressed to [REDACTED] [REDACTED] 7005 1160 0005 3430 7734	
1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery 3. <input type="checkbox"/> Article addressed to [REDACTED] [REDACTED]		4b. Service Type <input type="checkbox"/> Registered <input type="checkbox"/> Express Mail <input type="checkbox"/> Certified <input type="checkbox"/> Insured <input type="checkbox"/> C.O.D. <input type="checkbox"/> Return Receipt for Merchandise	
4a. Service Fee: Consult postmaster for fee.		5. Received By: (Print Name) 8. Addressee's Address (Only if requested and fee is paid)	
6. Signature: (Addressee or Agent)		7. Date of Delivery [REDACTED]	
X 6 Your Return Address is on the reverse side?			

Is your **RETURN ADDRESS** committed on the reverse side?

EXHIBIT VII

SENDER: <ul style="list-style-type: none"><input type="checkbox"/> Complete items 1 and/or 2 for additional services.<input type="checkbox"/> Complete items 3, 4a, and 4b.<input type="checkbox"/> Print your name and address on the reverse of this form so that we can return this card to you.<input type="checkbox"/> Attach this form to the front of the mailpiece, or on the back if space does not permit.<input type="checkbox"/> Write "Return Receipt Requested" on the mailpiece below the article number.<input type="checkbox"/> The Return Receipt will show to whom the article was delivered and the date delivered.		<p>I also wish to receive the following services (for an extra fee):</p> <p>1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.</p>
<p>3. Article Addressed to: 9093H-3/4S MING U. CHANG 28815 INDIAN VAL RD. RANCHO PALOS VER, CA 91275</p>		7005 1160 0005 3430 7721
		<p>4b. Service Type <input type="checkbox"/> Registered <input type="checkbox"/> Express Mail <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Insured</p>
		<p>7. Date of Delivery Jan 11-5-07</p>
<p>5. Received By: (Print Name)</p>		<p>8. Addressee's Address (Only if requested and fee is paid)</p>
<p>6. Signature: (Addressee or Agent) <u>X</u> <u>Min Ma Chang</u></p>		

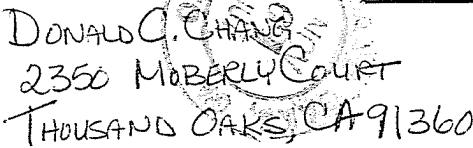
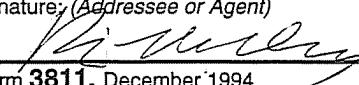
PS Form 3811, December 1994

102595-97-B-0179

Domestic Return Receipt

Thank you for using Return Receipt Service.

EXHIBIT VIII

SENDER: <ul style="list-style-type: none"><input type="checkbox"/> Complete items 1 and/or 2 for additional services.<input type="checkbox"/> Complete items 3, 4a, and 4b.<input type="checkbox"/> Print your name and address on the reverse of this form so that we can return this card to you.<input type="checkbox"/> Attach this form to the front of the mailpiece, or on the back if space does not permit.<input type="checkbox"/> Write "Return Receipt Requested" on the mailpiece below the article number.<input type="checkbox"/> The Return Receipt will show to whom the article was delivered and the date delivered.		<p>I also wish to receive the following services (for an extra fee):</p> <p>1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.</p>
3. Article Addressed to: 9093H-3/4S 7005 1160 0005 3430 7738		
 DONALD C. CHANG 2350 MOBERLY COURT THOUSAND OAKS, CA 91360		4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD
5. Received By: (Print Name)		7. Date of Delivery 11/6
6. Signature: (Addressee or Agent) 		8. Addressee's Address: (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

PS Form 3811, December 1994

102595-97-B-0179

Domestic Return Receipt